

Belt Merger

MERGE MAXX 950



[www.kuhn.com](http://www.kuhn.com)



be strong, be **KUHN**



MERGE MAXX

950

# A DIFFERENT WAY OF WINDROWING



The MERGE MAXX 950 is a highly versatile machine. It is capable of gently gathering any kind of forage to retain its maximum feed value. Two independent pick-ups make a total raking width of 7.50 m in single windrow mode and 9.50 m in "central windrow" position.

## A MULTITUDE OF POSSIBILITIES

From grass to alfalfa whole-plant silage or hay, biogas plants, grain or rape straw, this machine gathers any type of crop to form windrows with its different windrowing configurations.

## PERFORMANCE ON A LARGE SCALE

The MERGE MAXX 950 is THE machine for contractors and large operations who count on efficiently organised and powerful harvesting chains. This merger with its 9.50 m raking width can gather up to 20 or 30 m of forage to form uniform windrows, so the harvesting machines that follow can work at high speeds of up to 3 km/h\*.

## KEEPING FEED VALUE HIGH AND SOIL CONTENT LOW

How do belt mergers work? Forage is not pushed along the ground but picked up where it was cut. What are the advantages of this? Less leaf loss and potentially less soil and stones in the forage. After being transferred to the belt, windrows can be deposited and picked up again to form the extra-large final windrow. This is an effective way to cut costs during big harvesting operations. Fewer kilometres of windrows = large harvesters used more efficiently.



## The most important specifications :

Specifications	MERGE MAXX 950
<b>Working width (m)</b>	7.50 to 9.50 m
<b>Transport width (m)</b>	3.00 m
<b>Number of pick-ups</b>	2
<b>Pick-up and belt drive</b>	Hydraulic

\*Depending on conditions

# SO MANY POSSIBILITIES WITH NO COMPROMISE MADE ON FORAGE QUALITY

The MERGE MAXX 950 belt merger has eight different delivery options.

It is capable of:

- Picking up any type of forage, light or heavy, long or short (temporary or permanent grassland, straw or whole plants, meslin, hay,...).
- Adapting to harvesting methods: 1 m windrows for balers and loaders and up to 2.20 m for chopper pick-ups. Deliver central windrows with adjustable width, side windrows with different pick-up widths or combine the options.
- Easily adapting to different plot configurations.

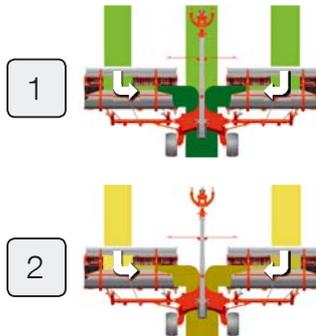


## Central delivery

The 2 units are distant.  
The belt takes the forage to the centre of the machine.  
A central windrow is created with 8 to 10 m of forage:  
- Ideal with a triple mower combination **1**.

- Or picking up 2 straw windrows after a combine harvester with cuts up to 7/7.50 m **2**.

Windrow width can be adapted to the size of the pick-up depending on the distance set between the pick-up units.

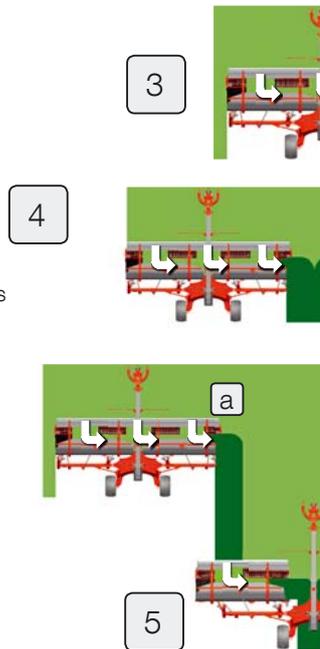


## 20 to 30 m in one windrow

If the belts are brought closer together and turned in the same direction, one single windrow is created, either to the left or to the right of the machine **3**.  
If need be, forage can be deposited onto a pre-raked area.

Different raking widths can be put together to produce widths of up to 20 to 30 m in low forage volume situations **4**.

Get the best of both worlds; side and central delivery **5**  
- First pass with right delivery **a**.  
- Then left side delivery **b**.  
- Then finish the windrow **c**.



## PICK-UP UNIT: The pick-up and WINDGUARD-with-roller

Pick-up quality and regularity are directly related to the design of this unit. In combination with the WINDGUARD reel, volute and lower roller, 5 tine arms, guided by cam, optimise forage uptake, lift and smooth transfer to the belt. **This is essential for the machine to create regular windrows.**





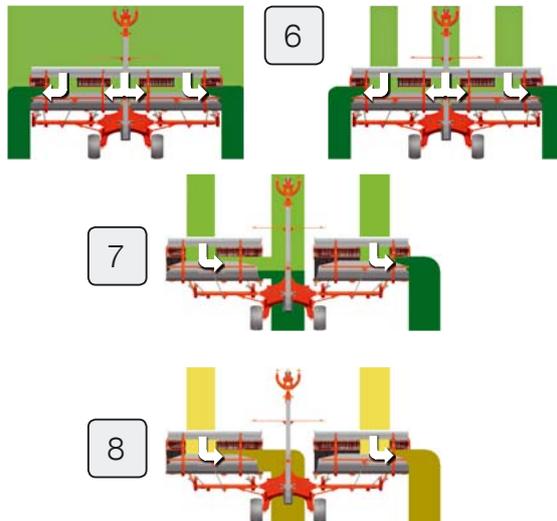
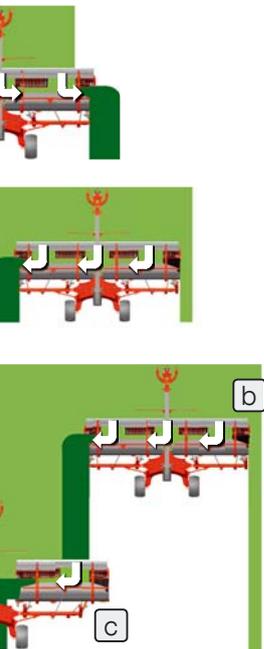
## If forage is heavy

A single windrow may be too much for a harvester in terms of working at a constant speed. That's why different configurations are possible:

- Half the forage is guided to one side and half to the other **6**.

- Half the forage is guided to a central windrow and half to a side windrow **7**.

- This can be useful for turning two straw windrows simultaneously! **8**



### SIMPLE TO USE!

- The main functions of the machine are controlled with a simple, user-friendly terminal:
- **Windrow delivery.**
  - **Rotational direction of the belts.**
  - **Setting to work and transport position.**
  - **Hour meter.**

The windrow curtain is controlled directly by tractor valve.

**1. EASIER FORAGE TRANSFER.** Rotation speed of the pick-up is variable to adapt to different harvesting situations. When necessary, rotational speed can be reduced to preserve the leaves of very delicate forage and the final product. The wide belt transfers the product to the side. It is very easy to service.

**2. BELT ADJUSTMENT:** Fast and practical. It takes just a few moments and requires no tools to adjust the tension of the strip.



2

## REGULAR WINDROWS: + 2 TO 3 KM/H\*



Your harvesting material can work at faster speeds when windrows are regular. At constant speeds, drivers have less operating stress:

- No slowing down for dense areas.
- No accelerations for sparse areas.

They can concentrate on what is important rather than having to worry about ground speed.



With the MERGE MAXX 950 belt merger, you also reduce the peaks in operating stress put on harvesting machines. MERGE MAXX 950 users attest to increasing working speeds by 2 to 3 km/h! You too can improve all-round productivity.

Less soil and stones in the windrow reduces wear to the intake system and operating costs.

\*\*Depending on conditions.

### EXCLUSIVE



#### WINDGUARD-WITH-ROLLER SYSTEM

Forage is taken in by the pick-up and guided by the WINDGUARD system which is composed of a guidance volute and a roller that optimise forage flow onto the conveyor belt. It automatically adjusts to the amount of forage.

**Result:** uniform, fluffy windrows with no twists for faster output.



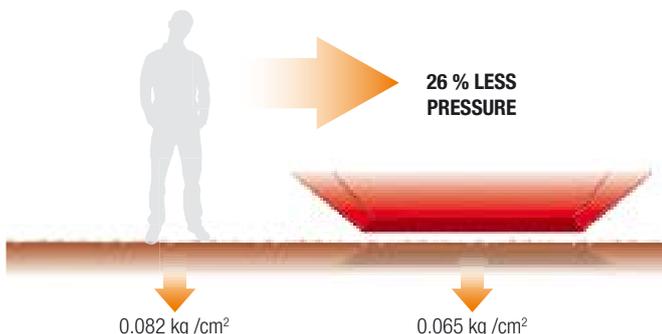
**Side windrows perfectly calibrated.** A windrow curtain can be ordered for side delivery to improve windrow calibration, especially when using a baler for pick-up. The driver can change windrow width at any time or fold the curtain back completely.

**Excellent ground following.** The MERGE MAXX 950 belt merger is equipped with a special system that keeps ground pressure below 90 kg!

#### EQUIVALENT WEIGHT ON GROUND

1 x 90 kg person

1 skid  
MERGE MAXX 950



**Spring suspension.** In order to reduce ground pressure and preserve grass stubble, the pick-up units of the MERGE MAXX 950 belt merger come with a special suspension system with 4 powerful and adjustable springs. Each pick-up unit has an angle of +/-10° and vertical travel range of -20/+30 cm in order to adapt to uneven terrain.



**Articulated skids.** The four large skids are articulated and height adjustable to contour the ground and guide each pick-up unit perfectly. Centralised skid height adjustment by crank handle provides extra comfort and safety.





### LINKAGE WITH INTEGRATED DAMPERS

The linkage system includes dampers to prevent transferring jolts to the tractor. This is a KUHN exclusive which brings additional comfort when driving on poorly kept roads.



### SELF-CONTAINED HYDRAULIC CIRCUIT

To avoid excessive tractor hydraulic requirements, an integrated hydraulic unit drives the pick-ups and belt. The machine can run at 1000 rpm or in energy-saving mode at 750 rpm, to reduce fuel consumption.

**The KUHN extra:** pick-up speed can be reduced when gathering very delicate forage.



### EXTRA PROTECTION

For windrowing in hot, dry weather, in straw or flinty ground, synthetic skids are available as an option. They protect the machine perfectly during harvesting operations.

Specifications	
	<b>MERGE MAXX 950</b>
Uptake width (m)	7.50/9.50
Working width in central delivery mode (m)	8.20 to 9.50
Working width in side delivery mode (average incl. initial windrow) (m)	8.80
Average windrow width (m)	1.00 to 1.50 in side windrow mode, up to 2.20 in central windrow mode
Transport width (m)	3.00
Transport length (m)	7.40
Transport height (m)	3.6
Pick-up and conveyor drive	Self-contained hydraulic drive
Pick-up height control	2 skids per pick-up, continuously adjustable by crank
Type of windrow	Central, side, left and right side or central + side
Tyres	400/55x22.5
Functions controlled by terminal	Setting to transport/work position, windrow headland turn position, windrow delivery options, hour meter
PTO speed (rpm)	1000 or 750
Linkage	2-point - Swinging yokes - Cat. 2 and 3N
Tractor hydraulic requirements	2 DA (1 extra DA if windrow curtain)
Brakes	Hydraulic or pneumatic depending on country
Lighting and signalling	As standard
Weight (kg)	4845

**Optional equipment:** Windrow curtain - Synthetic skid shoes - 750 rpm drive - 500/45-22.5 large wheels - belt speed regulation valves - Mud guard.



be strong, be **KUHN**

## KUHN PARTS

Designed and manufactured to rival time



KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.



# ADVANTAGES OF THE MERGE MAXX 950 BELT MERGER AT A GLANCE

## SO MANY POSSIBILITIES WITH NO COMPROMISE MADE ON:

- Forage types
- Harvesting methods

Working speeds increased by 2 to 3 km/h\* with homogeneous windrows that are easy to pick up.

Optimum ground pressure control in order to preserve plant cover:

- Spring suspension.
- Articulated skids.

Driving comfort: in-cab terminal, linkage dampers, suspension of working units and regular windrows.

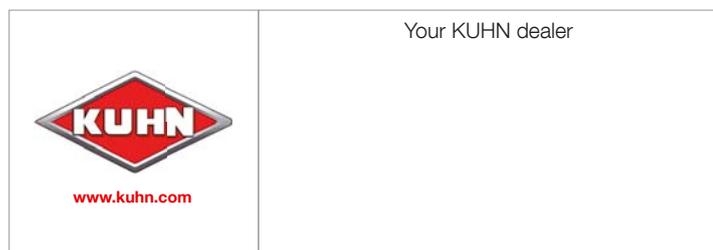
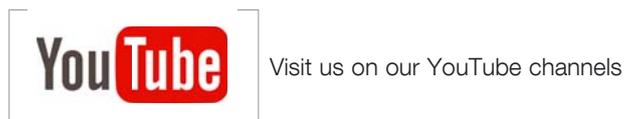
*\*Depending on conditions.*

## Check out our range of high-performance machines



1. Triple gang mowers - 2. Triple gang mower conditioners - 3. Large width tedder - 4. 4-rotor rake - 5. High density baler - 6. Round baler - 7. Fixed chamber baler-wrapper combination - 8. Wrapper.

For more information about your nearest  
**KUHN dealer, visit our website**  
[www.kuhn.com](http://www.kuhn.com)



### **KUHN S.A.**

4 Impasse des Fabriques - BP 50060  
F-67706 Saverne CEDEX - FRANCE

### **KUHN NORTH AMERICA, INC.**

1501 West Seventh Avenue - Brodhead,  
WI 53520 - USA

### **KUHN FARM MACHINERY PTY. LTD**

313-325 Foleys Road - Deer Park, VIC, 3023 - AUSTRALIA

### **KUHN FARM MACHINERY (U.K.) LTD**

Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ

Information given in this document is only for information purposes and is non-contractual. Our machines are in compliance with regulations in force in the country of delivery. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices must be in position in accordance with the requirements indicated in the operator's manuals and assembly manuals. Respect the tractor gross vehicle weight rating, its lift capacity and maximum load per axle and tyres. The tractor front axle load must always comply with the regulations of the country of delivery (In Europe, it must reach minimum 20 % of the tractor net weight). We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

Also find KUHN on

